

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Pimentel et al.

Application No.: 10/550,330

Confirmation No.: 1760

Filed: September 22, 2005

For: PROCESS OF INERTIZATION
(DAMPENING) OF STEEL MAKING SLAG FOR
ECONOMICAL REUSE

Group: 1742

Examiner: Not yet known

Our File: APA-PT008

Date: January 25, 2007

REQUEST FOR CORRECTED FILING RECEIPT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a marked-up copy of the Filing Receipt for the above-identified patent application. Upon proofing, it was noted that the Filing Receipt contains errors. There are five changes that need to be made.

Drawings

The number of drawing sheets is incorrect. Applicants filed two (2) sheets of drawings with the originally-filed application. Please delete "1" and insert therefor -- 2--.

Enclosed is a copy of the two (2) drawing sheets (comprising Figs. A – C), as originally filed.

Also enclosed is a copy of the USPTO-stamped postcard receipt which properly identifies that two (2) pages of Drawings were included in the original filing on September 22, 2005. Pursuant to MPEP § 503, this postcard receipt serves as *prima facie* evidence of receipt in the USPTO of two (2) pages of Drawings on the date stamped thereon (September 22, 2005) by the USPTO.

Further evidence of the correct total number of drawing sheets (i.e., two (2) drawing sheets) can be found in section 4 of the Application Data Sheet Under 37 C.F.R. § 1.76 filed with the application, and the Amendments to Drawings section of the Preliminary Amendment filed with the application.

Accordingly, Applicants respectfully request that the complete set of drawings (i.e., two (2) sheets containing Figs. A – C) be entered for the record as being originally filed with the application on September 22, 2005, and that the Filing Receipt be updated to reflect the correct total number of drawing sheets (i.e., two (2) drawing sheets).

Inventorship

With respect to the inventor Nocy Oliveira da Silveira, please delete "Nocv Oliveira-da" and insert therefor --Nocy Oliveira da--.

With respect to the inventor Joao Queres Quindeler, please delete "Oueres Ouindeler" and insert therefor --Queres Quindeler--.

Assignment

The assignee information has been omitted. Accordingly, please insert the following:

--Assignment for Published Patent Application
Companhia Siderurgica De Tubarao, Serra, Spain--

Applicants: Pimentel et al.
Application No.: 10/550,330

Entity Status

Small entity status is not applicable to this application. Applicants filed a Communication Under 37 C.F.R. § 1.28(c) with the appropriate fee on December 2, 2005. Please correct the Filing Receipt accordingly.

Applicants respectfully request that a corrected Filing Receipt be issued.

Respectfully submitted,

Pimentel et al.

By Ellen E. Fielitz
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EEF/dt
Enclosures



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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/550,330	09/22/2005	1742	900	APA-PT008	42	8	2

3624
VOLPE AND KOENIG, P.C.
UNITED PLAZA, SUITE 1600
30 SOUTH 17TH STREET
PHILADELPHIA, PA 19103

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DEC 15 2006

CONFIRMATION NO. 1760

FILING RECEIPT



OC000000021496881

VOLPE & KOENIG, P.C.

Date Mailed: 12/08/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Joao Luiz Pimentel, Vila Velha, SPAIN;
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NOCY OLIVEIRA da

QUERES QUINDELER

ASSIGNMENT FOR PUBLISHED PATENT APPLICATION
COMPANHIA SIDERURGICA DE TUBARAO, SERRA, SPAIN
Power of Attorney: The patent practitioners associated with Customer Number 3624.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/BR04/00203 10/15/2004

Foreign Applications

BRAZIL PI 0306767-0 10/16/2003

Projected Publication Date: 03/15/2007

Non-Publication Request: No

Early Publication Request: No

DOCKETED FOR 1/25/07 Reg for Con Fil Receipt

~~SMALL ENTITY~~

Title

Process of inertization (dampening) of steel making slag for economical reuse

Preliminary Class

075

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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FIGURE A
(Prior Art)

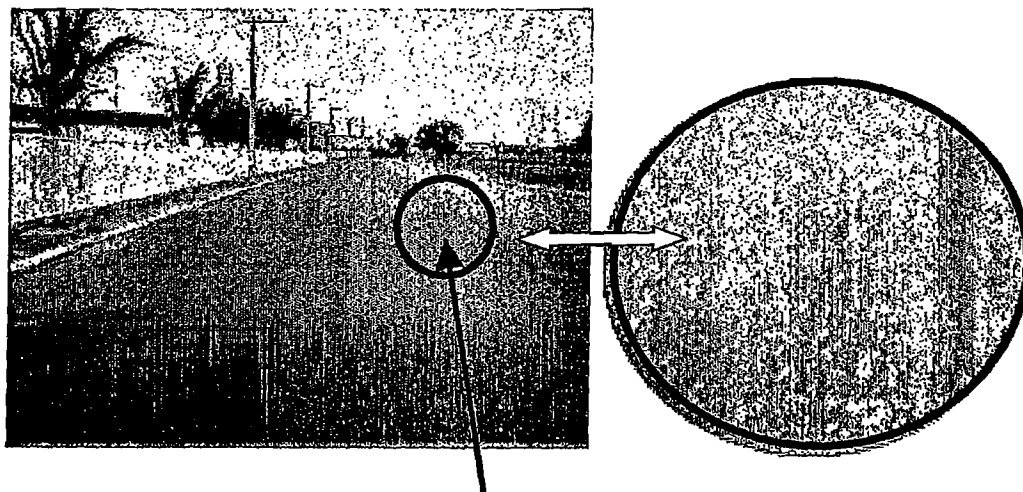
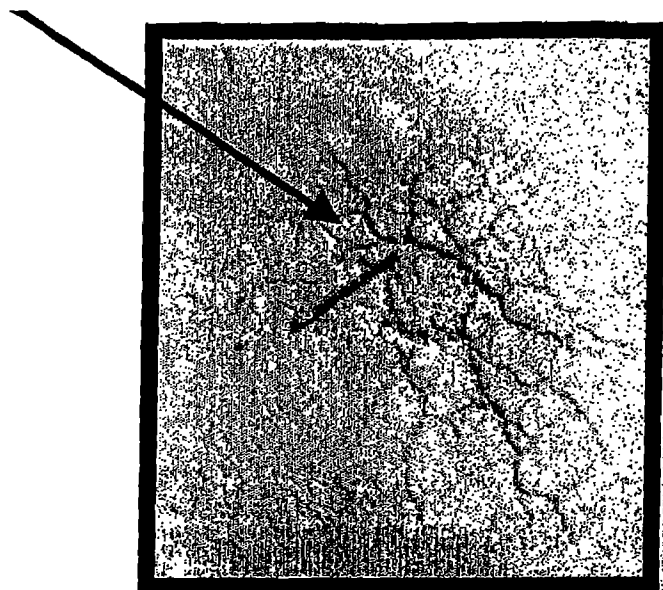


FIGURE B

SAMPLE	BEGINING OF TEST	END OF TEST	FINAL EXPANSION	MEAN EXPANSION	DEVIANCE	STANDARD DEVIANCE	Value of K	NUMBER OF TESTS
1	06/30/2003	07/14/2003	1,41	1,56	-0,15	0,18	1,31	8
2	06/30/2003	07/14/2003	1,37		-0,19			
3	06/30/2003	07/14/2003	1,50		-0,06			
4	06/30/2003	07/14/2003	1,48		-0,08			
5	06/30/2003	07/14/2003	1,70		0,14			
6	06/30/2003	07/14/2003	1,42		-0,14			
7	06/30/2003	07/14/2003	1,82		0,26			
8	06/30/2003	07/14/2003	1,77		0,21			

Maximum Value established for the Expansion = 2,0 %

Calculation of $K_s = K \times (\text{Std. Deviance})$ $1,31 \times 0,18 = 0,23$

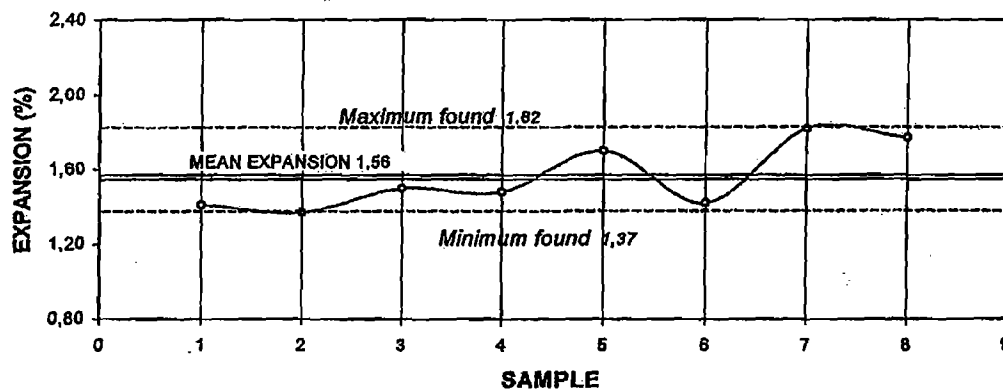
$$\sigma = \sqrt{\frac{\sum (x_i - \bar{x})^2}{n-1}}$$

CRITERIA

Mean Expansion + $K_s < 2,0$ → ACCEPTED
Mean Expansion + $K_s > 2,0$ → REJECTED

FOUND VALUES

Mean Expansion + $K_s = 1,56 + 0,23 = 1,79$



N=# of samples	5	6	7	8	9	10	11	12	13
K	1,55	1,41	1,38	1,31	1,25	1,21	1,18	1,16	1,13

FIGURE C

Express Mail Label No. EV680560325US ✓

Atty. Docket #APA-PT008

Mailed prepaid on: September 22, 2005

by ☐ First Class or ☒ Express Mail: Mail Stop

PCT, Commissioner for Patents, P.O. Box 1450

Alexandria, VA 22313-1450

IN RE PATENT APPLICATION OF

Inventor: Pimental et al.

Appln. No.: Not Yet Known

Filed: Not Yet Known

Title: PROCESS OF INERTIZATION
(DAMPENING) OF STEEL MAKING ...

Kindly acknowledge receipt of the following items with respect to the above-identified matter by placing your date stamp hereon and mailing this self addressed and posted card:

1006 Rec'd PCT/PTO 22 SEP 2005

Designated/Elected Office (3 pgs.);

Form PTO-2038 (1 pg.);

Preliminary Amendment (7 pgs.) with Drawings (2 pgs.), Abstract (1 pg.) and Substitute Specification (7 pgs and 7 pgs.)

Fully Executed Declaration and Power of Attorney (4 pgs.);

Information Disclosure Statement (2 pgs.) w/Form PTO-144 **RECEIVED** and Copies of References cited

thereon: **AM/PM**

Application Data Sheet (3 pgs.);

Copy of Int'l Publication No. WO 2005/035462 (8 pgs.) w attached copy of Int'l. Search Report (3 pgs.)

VOLPE & KOENIG, PC
SBS/jf **109550330**